

ABSTRACT

1 A microfabricated probe array for nanolithography and process
2 for designing and fabricating the probe array. The probe array consists of
3 individual probes that can be moved independently using thermal bimetallic
4 actuation or electrostatic actuation methods. The probe array can be used to
5 produce traces of diffusively transferred chemicals on the substrate with sub-1
6 micrometer resolution, and can function as an arrayed scanning probe
7 microscope for subsequent reading and variation of transferred patterns.